



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Jeffrey M. Sieracki; Confirmation No. 6322  
Richard B. North  
Serial No.: 10/696,725  
Filed: October 29, 2003 Customer No.: 28863  
Examiner: Unknown  
Group Art Unit: 3762 Docket No.: 1023-227US01  
Title: FAILSAFE PROGRAMMING OF IMPLANTABLE MEDICAL DEVICES

CERTIFICATE UNDER 37 CFR 1.8: I hereby certify that this correspondence is being deposited with the United States Post Service, as First Class Mail, in an envelope addressed to: Commissioner for Patents, Alexandria, VA 22313-1450 on April 9, 2004.

By:

Name: Shirley A. Bellach

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
Alexandria, VA 22313-1450

Dear Sir:

Applicant submits the references listed on the attached form PTO-1449. This statement is being filed, to the best of Applicant's knowledge, before the receipt of a first Office Action on the merits.

Applicants have enclosed a copy of each article cited and each foreign document cited. Copies of the U.S. patents are not enclosed as this application was filed after June 30, 2003.

Respectfully submitted,

Date:

4-9-04

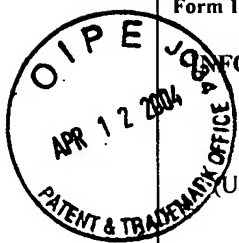
Shumaker & Sieffert, P.A.  
8425 Seasons Parkway, Suite 105  
St. Paul, Minnesota 55125  
Phone: (651) 735-1100  
Fax: (651) 735-1102

By: Jason D. Kelly  
Reg. No. 54,213



<b>Form 1449*</b>		<b>Docket Number:</b> 1023-227US01		<b>Application Number:</b> 10/696,725	
<b>INFORMATION DISCLOSURE STATEMENT</b> <b>IN AN APPLICATION</b> (Use several sheets if necessary)		<b>Applicant:</b> Jeffrey M. Sieracki; Richard B. North			
		<b>Filing Date:</b> October 29, 2003		<b>Group Art Unit:</b> 3762	
		<b>Examiner Name:</b> Unknown			
<b>U.S. PATENT DOCUMENTS</b>					
<b>Examiner Initial</b>	<b>Document Number</b>	<b>Issue/Document Publication Date</b>	<b>Name</b>	<b>Filing Date If Appropriate</b>	
	5,350,407	09/27/1994	McClure et al.		
	5,792,201	08/11/1998	Causey, III et al.		
	5,938,690	08/17/1999	Law et al.		
	6,308,102	10/23/2001	Sieracki et al.		
	2002/0133207	09/19/2002	Thomas et al.		
	6,577,899	06/10/03	Lebel et al.		
<b>FOREIGN PATENT DOCUMENTS</b>					
<b>Examiner Initial</b>	<b>Document Number</b>	<b>Publication Date</b>	<b>Country</b>	<b>Translation</b>	
				<b>Yes</b>	<b>No</b>
	0 750 921 A2	01/02/1997	EPO		
	0 753 327 A2	01/15/1997	EPO		
<b>OTHER DOCUMENTS (Including Authors, Title of Item, Page(s), Vol/Issue No., Publisher, Place of Publication)</b>					
	Fowler, K.R., "Neurological Stimulation System", Proceedings AAMI 21st Annual Meeting, Apr. 12-16, p. 27, 1986.				
	Fowler, K. R., North, R.B.: "Patient-interactive PC interface to implanted, multichannel stimulators," Proceedings of 39th Annual Conference on Engineering in Medicine and Biology, p. 380, 1986.				
	North, R.B., Fowler, K.R., "Computer-controlled, patient-interactive, multichannel, implanted neurological stimulators," Applied Neurophysiology, 50:39-41, 1987.				
	North, R.B., Nigrin, D.J., Szymanski, R.E., Fowler, K.R., "Computer-controlled, multichannel, implanted neurological stimulation system: Clinical assessment," Pain (Suppl.), 5:S83, 1990.				
	Fowler, K.R., North, R.B., "Computer-optimized neurological stimulation," Proc. Ann. Internat. Conf. IEEE Engineering Medicine and Biology Soc., 13:1692-1693, 1991.				
	Fowler, K.R., North, R.B., "Computer-optimized neurostimulation," APL Technical Digest, 12:192-197, 1991.				
	North, R.B., et al., "Spinal cord stimulation for chronic intractable pain: superiority of 'multi-channel' devices," Pain, V44, pp. 119-130, 1991.				
<b>EXAMINER</b>			<b>Date Considered</b>		

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Form 1449*		Docket Number: 1023-227US01		Application Number: 10/696,725	
<b>INFORMATION DISCLOSURE STATEMENT</b> <b>IN AN APPLICATION</b> (Use several sheets if necessary)		Applicant: Jeffrey M. Sieracki; Richard B. North			
		Filing Date: October 29, 2003		Group Art Unit: 3762	
		Examiner Name: Unknown			
<b>U.S. PATENT DOCUMENTS</b>					
Examiner Initial	Document Number	Issue/Document Publication Date	Name		Filing Date If Appropriate
<b>FOREIGN PATENT DOCUMENTS</b>					
Examiner Initial	Document Number	Publication Date	Country	Translation	
				Yes	No
<b>OTHER DOCUMENTS (Including Authors, Title of Item, Page(s), Vol/Issue No., Publisher, Place of Publication)</b>					
	North, R.B., Fowler, K.R., "Computer-controlled, patient-interactive neurological stimulation system," (Abstract) Acta Neurochir, 117:90, 1992.				
	North, R.B., Fowler, K.R., Nigrin, D.A., Szymanski, R.E., "Patient interactive, computer-controlled neurological stimulation system: Clinical efficacy in spinal cord stimulator adjustment," Journal of Neurosurgery, 76:967-972, 1992.				
	North, R.B., Fowler, K.R., Nigrin, D.A., Szymanski, R.E., Piantadosi, S., "Automated 'pain drawing' analysis by computer-controlled, patient-interactive neurological stimulation system," Pain, 50:51-57, 1992.				
	North, R.B., "Spinal Cord Stimulation for Chronic Intractable Pain," Electrical and Magnetic Stimulation of the Brain and Spinal Cord, pp. 289-301, 1993.				
	North, R.B., "The Role of Spinal Cord Stimulation in Contemporary Pain Management," APS Journal, vol. 2, No. 2, pp. 91-99, 1993.				
	North, R. B., Kidd, D. H., Zahurak, M., James, C. S., Long, D. M., "Spinal cord stimulation for chronic, intractable pain: Experience over two decades," Neurosurgery, 32:384-395, 1993.				
	North, R.B., Fowler, K.R., "Patient-interactive, microprocessor-controlled neurological stimulation system" (abstract), Stereotactic and Functional Neurosurgery, 62:309-315, 1994.				
	North, R. B., Levy, R. M., "Consensus conference on the neurosurgical management of pain," Neurosurgery, 34:756-761, 1994.				
<b>EXAMINER</b>			<b>Date Considered</b>		

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Based on Form PTO-FB-A820

Patent and Trademark Office, U.S. Department of Commerce

(Also form PTO-1449)

Form 1449*		Docket Number: 1023-227US01		Application Number: 10/696,725	
<b>INFORMATION DISCLOSURE STATEMENT</b> <b>IN AN APPLICATION</b> (Use several sheets if necessary)		Applicant: Jeffrey M. Sieracki; Richard B. North			
		Filing Date: October 29, 2003		Group Art Unit: 3762	
		Examiner Name: Unknown			
<b>U.S. PATENT DOCUMENTS</b>					
Examiner Initial	Document Number	Issue/Document Publication Date	Name		Filing Date If Appropriate
<b>FOREIGN PATENT DOCUMENTS</b>					
Examiner Initial	Document Number	Publication Date	Country	Translation	
				Yes	No
<b>OTHER DOCUMENTS (Including Authors, Title of Item, Page(s), Vol/Issue No., Publisher, Place of Publication)</b>					
	North, R. B., Kidd, D. H., Lee, M. S., Piantadosi, S., "A prospective, randomized study of spinal cord stimulation versus reoperation for the failed back surgery syndrom," Stereotactic and Functional Neurosurgery, 62:267-272, 1994.				
	North, R.B., et al., "Spinal Cord Stimulation For Chronic Pain," Functional Neurosurgery, vol. 6, No. 1, pp. 145-155, Jan. 1995.				
	North, R.B., Cutchis, P., "Spinal cord stimulation for chronic intractable pain," Spinal Cord Stimulation II, pp. 49-63, Darmstadt, Steinkopff, 1995.				
	North, R.B., McNamee, P., Wu, L., Piantadosi, S., "Artificial neural networks: Application to electrical stimulation of the human nervous system," (abstract) Stereotactic and Functional Neurosurgery, 65:161, 1995.				
	North, R. B., Kidd, D. H., Wimberly, R. L., Edwin, D., "Prognostic value of psychological testing in spinal cord stimulation patients: A prospective study," Neurosurgery, 39:301-311, 1996.				
	North, R. B., Kidd, D. H., Zahurak, M., Piantadosi, S., "Specificity of diagnostic nerve blocks: A prospective, randomized study of sciatica due to lumbosacral spine disease," Pain, 65:77-85, 1996.				
	North, R.B., McNamee, P., Wu, L., Piantadosi, S., "Artificial neural networks: Application to electrical stimulation of the human nervous system," Neurosurgical Focus, 2(1:1):1-5, 1997.				
	Alo, K. M. et al., "Computer Assisted and Patient Interactive Programming of Dual Octrode Spinal Cord Stimulation in the Treatment of Chronic Pain," Neuromodulation, vol. 1, No. 1, pp. 30-45, 1998.				
<b>EXAMINER</b>			<b>Date Considered</b>		

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



<b>Form 1449*</b> <b>INFORMATION DISCLOSURE STATEMENT</b> <b>IN AN APPLICATION</b> (Use several sheets if necessary)	Docket Number: 1023-227US01	Application Number: 10/696,725
	Applicant: Jeffrey M. Sieracki; Richard B. North	
	Filing Date: October 29, 2003	Group Art Unit: 3762
	Examiner Name: Unknown	

### U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Issue/Document Publication Date	Name	Filing Date If Appropriate

### FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Publication Date	Country	Translation	
				Yes	No

### OTHER DOCUMENTS (Including Authors, Title of Item, Page(s), Vol/Issue No., Publisher, Place of Publication)

	North, R.B., Sieracki, J.N., Fowler, K.R., Alvarez, B., Cutchis, P.N., "Patient-interactive, microprocessor-controlled neurological stimulation system," Neuromodulation, 1(4):185-193, 1998.
	Khalessi, A. A., Taylor, R. S., Brigham, D. D., North, R. B., "Automated, patient-interactive spinal cord stimulator adjustment: A cost-minimization analysis," Neurosurgery, 53:501-502, 2003.
	North, R. B., Calkins, S. K., Campbell, D. S., Sieracki, J. M., Piantadosi, S. A., Daly, M. J., Dey, P. B., Barolat, G., "Automated, patient-interactive spinal cord stimulator adjustment: A randomized, controlled trial," Neurosurgery 52:572-580, 2003.
	U.S. Patent Application Serial Number 10/696,501, entitled "Implantable Neurostimulator Programming with Battery Longevity Indication", filed October 29, 2003, Richard B. North, Kim R. Fowler, Jeffrey M. Sieracki, David D. Brigham.
	U.S. Patent Application Serial Number 10/696,781, entitled "Neurostimulation Therapy Manipulation", filed October 29, 2003, Richard B. North, Jeffrey M. Sieracki.
	U.S. Patent Application Serial Number 10/696,494, entitled "Distributed System for Neurostimulation Therapy Programming", filed October 29, 2003, Richard B. North, Kim R. Fowler, Jeffrey M. Sieracki.
	U.S. Patent Application Serial Number 10/696,491, entitled "Body Region Indication", filed October 29, 2003, Richard B. North, Jeffrey M. Sieracki.
	U.S. Patent Application Serial Number 10/696,778, entitled "Applying Filter Information to Identify Combinations of Electrodes", filed October 29, 2003, Richard B. North, Jeffrey M. Sieracki.
	PCT International Search Report for PCT/US/03/34325, mailed April 2, 2004.

**EXAMINER****Date Considered**

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

